## Claims:

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- 1. Method for the production of trichlorosilane by reaction of silicon with HCl gas at a temperature between 250° and 1100°C, and an absolute pressure of 0.5 30 atm in a fluidized bed reactor, in a stirred bed reactor or in a solid bed reactor, c h a r a c t e r i z e d i n that the silicon supplied to the reactor contains between 30 and 10 000 ppm chromium.
- 2. Method according to claim 1, c h a r a c t e r i z e d i n that the silicon supplied to the reactor contains between 50 and 1000 ppm chromium.
- 3. Method according to claim 1 or 2, c h a r a c t e r i z e d i n that chromium is alloyed with the silicon.
  - 4. Method according to claim 1 or 2, c h a r a c t e r i z e d i n that chromium is mechanically mixed with the silicon before the silicon is supplied to the reactor.
- 5. Method according to claim 4, characterized in that chromium is mechanically mixed with silicon by subjecting the silicon to grinding using chromium-containing grinding bodies.
  - 6. Method according to claim 1 or 2, c h a r a c t e r i z e d i n that chromium is added to the reactor separately from the silicon.
- 7. Silicon for use in the production of trichlorosilane by reaction of silicon with HCl gas, c h a r a c t e r i z e d i n that the silicon contains between 30 and 10 000 ppm chromium, the remaining except for normal impurities being silicon.
  - 8. Silicon according to claim 7, c h a r a c t e r i z e d i n that the silicon contains between 50 and 1000 ppm chromium.
- 9. Silicon according to claim 7 or 8, characterized in that chromium is alloyed with the silicon.
  - 10. Silicon according to claim 7 or 8, c h a r a c t e r i z e d i n that chromium is mechanically mixed with the silicon.

- 11. Silicon according to claim 10, c h a r a c t e r i z e d i n that the mechanical mixing of chromium with silicon is done by subjecting the silicon to grinding using chromium containing grinding bodies.
- 12. Method for the production of trichlorosilane by reaction of silicon with HCl gas at a temperature between 250 and 1100°C, and an absolute pressure of 0.5 30 atm in a fluidized bed reactor, in a stirred bed reactor or in a solid bed reactor, c h a r a c t e r i z e d i n that chromium is supplied to the reactor in an amount necessary to control a chromium content in the reactor of between 100 and 50 000 ppm based on the weight of silicon in the reactor.
- 13. Method according to claim 12, c h a r a c t e r i z e d i n that chromium is supplied to the reactor in an amount necessary to control the chromium content in the reactor between 200 and 25000 ppm chromium.
  - 14. Method according to claim 12 or 13, c h a r a c t e r i z e d i n that chromium supplied to the reactor is alloyed with the silicon.
- 15. Method according to claim 12 or 13, c h a r a c t e r i z e d i n that chromium supplied to the reactor is mechanically mixed with the silicon before the mixture is supplied to the reactor.
  - 16. Method according to claim 15, characterized in that chromium is mechanically mixed with silicon by subjecting the silicon to grinding using chromium-containing grinding bodies.

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- 17. Method according to claim 12 or 13, c h a r a c t e r i z e d i n that chromium and silicon are added separately to the reactor.
- 18. Method according to claim 17, c h a r a c t e r i z e d i n that the chromium compounds are added to the reactor with the HCl gas.
- 19. Method according to claim 12 or 13, characterized in that the chromium is added to the reactor together with a compound having another or no effect on the thriclorosilane process.